

## POINT LOAD TESTER APPARATUS— DIGITAL

**101-A0045-10**

Standard: ASTM D5731

**MatCivTest**  
MATERIAL CIVIL TEST EQUIPMENT

101-A0045-10

POINT LOAD TESTER APPARATUS DIGITAL

### Strength Index

Used to determine the strength values of a rock specimen both in the field and in the laboratory. This apparatus comprises a two-column fixed crosshead frame and a hand operated hydraulic jack. Pressure applied by the jack extends the piston carrying the lower conical point. The upper point is fixed to the crosshead with a scale mounted on the frame to provide specimen diameter information for use in point load strength index calculations.

From the standard

Truncated, conical platens, as shown on Fig. 2 in D5731, are to be used. The 60° cone and 5-mm radius spherical platen tip shall meet tangentially. The platens shall be of hard material (Rockwell 58 HRC, as explained in Test Method E18) such as tungsten carbide or hardened steel so they remain undamaged during testing.



Technical Specifications	
Model No	101-A0045-10
Max. Capacity	100kN
Max. Specimen Test	90 mm Dia x 100mm H
Accuracy & Repeatability	≤1.0 % F.S
Case Dimension (mm)	280(L) x 250(W) x 640(H) mm
Approx. Weight	35 kg